

CLAIMS:

2 1. A method comprising:
 starting a timer defined for use within a first wireless communication system; and
4 estimating a duration of a transition from the first wireless communication system
to a second wireless communication system as a function of the timer.

2 2. The method of claim 1, further comprising performing a pre-defined
operation associated with the timer.

2 3. The method of claim 2, wherein the operation is pre-defined by the first
wireless communication system.

4 4. The method of claim 1, wherein the timer comprises a supervision timer.

2 5. The method of claim 1, wherein the timer is defined by the IS856 wireless
communication standard.

2 6. The method of claim 1, further comprising:
 starting a plurality of timers defined for use within the first wireless
communication system; and
4 when returning to the first wireless communication system, estimating the
duration of the transition as a function of the plurality of timers.

2 7. The method of claim 1, wherein the first wireless communication system
is an IS856 system and the second wireless communication system is an IS2000-1x
system.

2 8. The method of claim 7, wherein the supervision timer comprises an IS856
Control Channel Supervision Timer.

9. The method of claim 8, further comprising:

2 attempting to receive a synchronous control channel capsule; and
4 transitioning to a network acquisition state when the attempt to receive the
synchronous control channel capsule is unsuccessful.

10. The method of claim 7, wherein the supervision timer comprises a data

2 rate control (DRC) supervision timer, the method further comprising:
4 starting a combination timer; and
when returning to the IS856 system, estimating the duration of the transition as a
function of the DRC supervision timer and the combination timer.

11. The method of claim 10, further comprising:

2 restarting a transmitter in response to expiration of the DRC supervision timer;
4 and
transitioning to an inactive state in response to expiration of the combination
timer.

12. A processor-readable medium containing processor executable

2 instructions for:
4 starting a timer defined for use within a first wireless communication system; and
estimating a duration of a transition from the first wireless communication system
to a second wireless communication system as a function of the timer.

13. The processor-readable medium of claim 12, containing further

2 instructions for performing a pre-defined operation associated with the timer.

14. The processor-readable medium of claim 13, wherein the operation is pre-

2 defined by the first wireless communication system.

15. The processor-readable medium of claim 12, wherein the timer comprises

2 a supervision timer.

16. The processor-readable medium of claim 12, wherein the timer is defined
2 by the IS856 wireless communication standard.

17. The processor-readable medium of claim 12, containing further
2 instructions for:
3 starting a plurality of timers defined for use within the first wireless
4 communication system; and
5 when returning to the first wireless communication system, estimating the
6 duration of the transition as a function of the plurality of timers.

18. The processor-readable medium of claim 12, wherein the first wireless
2 communication system is an IS856 system and the second wireless communication
3 system is an IS2000-1x system.

19. The processor-readable medium of claim 18, wherein the supervision
2 timer comprises an IS856 Control Channel Supervision Timer.

20. The processor-readable medium of claim 19, containing further
2 instructions for:
3 attempting to receive a synchronous control channel capsule; and
4 transitioning to a network acquisition state when the attempt to receive the
5 synchronous control channel capsule is unsuccessful.

21. The processor-readable medium of claim 18, wherein the supervision
2 timer comprises a data rate control (DRC) supervision timer, the processor-readable
3 medium containing further instructions for:
4 starting a combination timer; and
5 when returning to the IS856 system, estimating the duration of the transition as a
6 function of the DRC supervision timer and the combination timer.

22. The processor-readable medium of claim 21, containing further

2 instructions for:

4 restarting a transmitter in response to expiration of the DRC supervision timer;

6 and

8 transitioning to an inactive state in response to expiration of the combination

10 timer.

23. A wireless communication device comprising:

2 first wireless communication system hardware for operating in a first wireless
4 communication system;

6 second wireless communication system hardware for operating in a second
8 wireless communication system;

10 an interoperation module to configure the wireless communication device in
12 response to a transition between the first and second wireless communication systems,
14 the interoperation module configured to estimate a duration of the transition as a function
16 of a supervision timer.

24. The wireless communication device of claim 23, wherein the

2 interoperation module is configured to estimate the duration of the transition as a function
4 of a plurality of supervision timers.

25. The wireless communication device of claim 23, wherein the first wireless

2 communication system is an IS856 system and the second wireless communication
4 system is an IS2000-1x system.

26. The wireless communication device of claim 25, wherein the supervision

2 timer is a Control Channel Supervision Timer.

27. The wireless communication device of claim 26, wherein the

2 interoperation module is configured to:

4 attempt to receive a synchronous control channel capsule; and

4 transition to a network acquisition state when the attempt to receive the
synchronous control channel capsule is unsuccessful.

28. The wireless communication device of claim 25, wherein the supervision
2 timer is a data rate control (DRC) supervision timer, and wherein the interoperation
module is configured to:

4 start a combination timer; and
when returning to the IS856 system, estimate the duration of the transition as a
6 function of the DRC supervision timer and the combination timer.

29. The wireless communication device of claim 28, wherein the
2 interoperation module is configured to:

4 restart a transmitter in response to expiration of the DRC supervision timer; and
transition to an inactive state in response to expiration of the combination timer.

30. An apparatus comprising:

2 means for starting a timer defined for use within a first wireless communication
system; and
4 estimating a duration of a transition from the first wireless communication system
to a second wireless communication system as a function of the timer.

31. The apparatus of claim 30, further comprising means for performing a pre-
2 defined operation associated with the timer.

32. The apparatus of claim 31, wherein the operation is pre-defined by the
2 first wireless communication system.

33. The apparatus of claim 30, wherein the timer comprises a supervision
2 timer.

34. The apparatus of claim 30, wherein the timer is defined by the IS856
2 wireless communication standard.

35. The apparatus of claim 34, further comprising:
2 means for starting a plurality of timers defined for use within the first wireless
communication system; and
4 means for estimating the duration of the transition as a function of the plurality of
timers when returning to the first wireless communication system.

36. The apparatus of claim 30, wherein the first wireless communication
2 system is an IS856 system and the second wireless communication system is an IS2000-
1x system.

37. The apparatus of claim 36, wherein the supervision timer comprises an
2 IS856 Control Channel Supervision Timer.

38. The apparatus of claim 37, further comprising:
2 means for attempting to receive a synchronous control channel capsule; and
4 means for transitioning to a network acquisition state when the attempt to receive
the synchronous control channel capsule is unsuccessful.

39. The apparatus of claim 36, wherein the supervision timer comprises a data
2 rate control (DRC) supervision timer, the apparatus further comprising:
means for starting a combination timer; and
4 means for estimating the duration of the transition as a function of the DRC
supervision timer and the combination timer when returning to the IS856 system.

40. The apparatus of claim 39, further comprising:
2 means for restarting a transmitter in response to expiration of the DRC
supervision timer; and

4 means for transitioning to an inactive state in response to expiration of the
combination timer.

41. A system comprising:

2 a memory that stores processor-readable instructions; and

4 a processor coupled to the memory that executes the instructions to start a timer

6 defined for use within a first wireless communication system and to estimate a duration
of a transition from the first wireless communication system to a second wireless

communication system as a function of the timer.

42. The system of claim 41, wherein the processor further executes the

2 instructions to perform a pre-defined operation associated with the timer.

43. The system of claim 42, wherein the operation is pre-defined by the first

2 wireless communication system.

44. The system of claim 41, wherein the timer comprises a supervision timer.

45. The system of claim 41, wherein the timer is defined by the IS856 wireless

2 communication standard.

46. The system of claim 41, wherein the processor further executes the

2 instructions to:

start a plurality of timers defined for use within the first wireless communication

4 system; and

when returning to the first wireless communication system, estimate the duration

6 of the transition as a function of the plurality of timers.

47. The system of claim 41, wherein the first wireless communication system

2 is an IS856 system and the second wireless communication system is an IS2000-1x
system.

48. The system of claim 47, wherein the supervision timer comprises an IS856

2 Control Channel Supervision Timer.

49. The system of claim 48, wherein the processor further executes the

2 instructions to:

attempt to receive a synchronous control channel capsule; and

4 transition to a network acquisition state when the attempt to receive the

synchronous control channel capsule is unsuccessful.

50. The system of claim 47, wherein the supervision timer comprises a data

2 rate control (DRC) supervision timer, and wherein the processor further executes the

instructions to:

4 start a combination timer; and

when returning to the IS856 system, estimate the duration of the transition as a

6 function of the DRC supervision timer and the combination timer.

51. The system of claim 50, wherein the processor further executes the

2 instructions to:

restart a transmitter in response to expiration of the DRC supervision timer; and

4 transition to an inactive state in response to expiration of the combination timer.